

UNCLASSIFIED

15 May 91

STAT

SEQUENCE NR: [REDACTED]

TITLE: INFORMATION TASKS OF THE FUNCTIONAL MAPPING OF BIOLOGICAL SYSTEMS
 AUTHOR: PLATONOV, S A; KARGASHIN, A YU; TARATORIN, A M; GODIK, E E
 DOC REF: RADIOTEKHNIKA (MOSCOW) (RATEA), 91, NR 8, 62-68
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 CLASSIF: UNCLASSIFIED
 RELEASE: NONE (XX)

TEXT: AUTHOR ABSTRACT. DOCUMENT CONTAINS 3 PHOTOS.

THE QUESTIONS OF DEVELOPING DATA SOFTWARE AND GENERATING PHYSICAL EXPERIMENTS IN REGARD TO THE FUNCTIONAL MAPPING OF BIOLOGIC OBJECTS ARE BEING CONSIDERED, WHICH ARE BASED ON THE RECORDING OF SPECIFIC PHYSICAL FIELDS AND RADIATIONS. A REVIEW OF BASIC METHODS AND PUBLICATIONS RELATED TO THIS TREND IS ATTACHED AND THE BASIC CONCEPTS OF DYNAMIC AND FUNCTIONAL MAPPING ARE PRESENTED. ALSO THE MAJOR PARAMETERS OF THE DATA GATHERING SYSTEMS ARE PRESENTED AS WELL AS THE GENERAL SCHEMATIC OF THE DYNAMIC MAPPING DATA PROCESSING AND SOME OTHER CONCRETE SUGGESTIONS TO BRING IT ABOUT. THE GENERAL PROBLEMS OF MODELING PHYSIOLOGICAL AND REGULATORY SYSTEMS IN THE ORGANISM ARE PRESENTED AS WELL AS THE FUTURE TRENDS IN DEVELOPING THE ARTIFICIAL INTELLIGENCE SYSTEMS FOR EARLY FUNCTIONAL DIAGNOSTICS.

PFN INFORMATION: PART 001

PERSON: PLATONOV, S A
 PERS CTY: USSR (UR)
 PERSON: KARGASHIN, A YU
 PERS CTY: USSR (UR)
 PERSON: TARATORIN, A M
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 PERSON: GODIK, E E
 PERS CTY: USSR (UR)

*How does this
 relate to
 Smirnoff's work?*

PFN INFORMATION: PART 002

RELATES: SERGEY ALEKSANDROVICH PLATONOV, ANDREY YURYEVICH

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SEQUENCE NR.:

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KARGASHIN AND EDUARD EMMANUILovich GODIK ARE MEMBERS OF IRE (AN SSSR).

PERSON: PLATONOV, SERGEY ALEKSANDROVICH
PROTITLE: DEPUTY DIRECTOR, CANDIDATE FOR PHYSICAL MATHEMATICAL SCIENCES
PERS CTY: USSR (UR)
PERSDATA: BIOGRAPHIC DATA

PERSON: KARGASHIN, ANDREY YURYEVICH
PROTITLE: SENIOR SCIENTIFIC ASSOCIATE, CANDIDATE FOR PHYSICAL MATHEMATICAL SCIENCES
PERS CTY: USSR (UR)
PERSDATA: BIOGRAPHIC DATA

PERSON: GODIK, EDUARD EMMANUILovich
PROTITLE: DIRECTOR, CANDIDATE, DOCTOR OF PHYSICAL MATHEMATICAL SCIENCES, PROFESSOR
PERS CTY: USSR (UR)
PERSDATA: BIOGRAPHIC DATA

FACILITY: IRE
SUPERIOR: AN SSSR
SUBORD: NAUCHNO INZHENERNYY TSENTR
FACL CTY: BIOMEDITSINSKOYRADIOELEKTRONIKI
FSUBORD: USSR (UR)
FACILITY SUBORDINATION DATA

PFN INFORMATION: PART 003

FACILITY: NAUCHNO INZHENERNYY TSENTR BIOMEDITSINSKOY
FACL CTY: RADIOELEKTRONIKI
FACL DATA: USSR (UR)
FACILITY NAME EQUATE AVAILABLE

PFN INFORMATION: PART 004

RELATES: S A PLATONOV WAS ASSOCIATED WITH MGU IN 1977-. A YU KARGASHIN WAS ASSOCIATED WITH MGU IN 1977-. E E GODIK WAS ASSOCIATED WITH MGU IN 1959-.

PERSON: PLATONOV, S A
PROTITLE: STUDENT
PERS CTY: USSR (UR)
PERSDATA: BIOGRAPHIC DATA

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SEQUENCE NR:

PERSON: KARGASHIN, A YU
PROTITLE: STUDENT
PERS CTY: USSR (UR)
PERSDATA: BIOGRAPHIC DATA

PERSON: GODIK, E E
PROTITLE: STUDENT
PERS CTY: USSR (UR)
PERSDATA: BIOGRAPHIC DATA

FACILITY: MGU
SUBORD: MEKHMAT, MEKHMAT, FIZFAK
FACL CTY: USSR (UR)
FSUBORD: FACILITY SUBORDINATION DATA